

NOTICE OF INTENT TO ISSUE A
DRAFT HAZARDOUS WASTE MANAGEMENT PERMIT
FOR A MIXED WASTE BOILER

The Tennessee Department of Environment and Conservation's (TDEC) Division of Solid Waste Management (DSWM) will conduct a public hearing at 5:30 p.m., Thursday, August 30, 2007, at the Kingston Community Center, 201 Patton Ferry Road, Kingston, TN (865-376-9476), to receive comments on DSWM's proposed hazardous waste permit that would allow Diversified Scientific Services, Inc. to operate and existing mixed waste boiler at its facility.

Starting at 5:30 p.m., citizens are invited to inspect and discuss the draft permit, fact sheet and other materials with DSWM and DSSI representatives. The formal part of the hearing will begin at 6:00 p.m. The DSWM will explain its tentative decision to issue the permit after which DSSI will describe the facility operation relevant to the permit. Oral and/or written comments on the draft permit will then be received from the public. There will also be an opportunity for public comments to be taped or written and submitted from 5:30 p.m. to 6:00 p.m.

Diversified Scientific Services, Inc. (DSSI) (EPA ID No.: TND 98 210 9142), located on Gallaher Road, Roane County, TN, is currently operating under interim status pursuant to TN Rule 1200-1-11-.09(8)(d). DSSI submitted the Part A and Part B Permit Application to DSWM for a hazardous waste management permit in June 1998, thus, enabling the facility to continue to operate under the current interim status until a final decision is made. The current status allowed the facility to treat hazardous waste in the direct-fired boiler. The proposed permit is for the continuance of the direct combustion of blended waste fuels with beneficial recovery of the thermal energy.

Information on all hazardous waste treatment, storage and disposal units at DSSI, consisting of storage and treatment of mixed wastes in Containers, Tanks, and Miscellaneous Storage and Treatment units, can be found in DSWM Permit TNHW-102.

The permit is proposed to be issued under the authority of the Tennessee Hazardous Waste Management Act of 1977, as amended, Tennessee Code Annotated, Section 68-212-101 et seq., and Rule Chapter 1200-1-11, Hazardous Waste Management.

Copies of DSSI's application, draft permit, fact sheet and public notice are available for public inspection at the following locations: TDEC's Knoxville Environmental Field Office, Public Access Area, 3711 Middlebrook Pike, Knoxville, TN 37921 (865-594-6035); Oak Ridge Public Library, Civic Center, 1401 Oak Ridge Turnpike, Oak Ridge, TN (865-425-3455); and Kingston Public Library, 1004 Bradford Way, Kingston, TN (865-376-9905). Normal state office hours are 8:00 a.m. to 4:30 p.m. on weekdays, excluding legal holidays.

Any interested person may submit written comments on DSWM's proposal by contacting: Ms. Jennifer Smith-McClellan; Combustion Section; Division of Solid Waste Management; TDEC; 5th Floor, L & C Tower; 401 Church St.; Nashville, TN 37243-1535 (615-532-9267) or e-mail to Jennifer.l.smith@state.tn.us. The comments must be received by 4:30 p.m. CDT, September 5, 2007, to assure consideration. After considering all public comments received, the DSWM Director will issue a final permit decision and a Response to Comments.

Individuals with disabilities who wish to participate in these proceedings (or to review these filings) should contact the Tennessee Department of Environment and Conservation to discuss any auxiliary aids or services needed to facilitate such participation. Such contact may be in

person, by writing, telephone, or other means and should be made no less than ten days prior to August 30, 2007 (or date such party intends to review such filings), to allow time to provide such aid or services. Contact the ADA Coordinator at 1-866-253-5827 for further information. Hearing impaired callers may use the Tennessee Relay Service (1-800-848-0298).

Persons who wish to be on DSWM's mailing list should request a Mailing List Request form by calling or writing: Public Participation Officer; Division of Solid Waste Management; Tennessee Department of Environment and Conservation; 5th Floor, L & C Tower; 401 Church Street; Nashville, TN 37243-1535; phone 615-532-2757; or e-mail Solid.Waste@state.tn.us.

NOTICE ISSUED: July 27, 2007

FACT SHEET

INTENT TO ISSUE A HAZARDOUS WASTE MANAGEMENT PERMIT FOR A MIXED WASTE BOILER

Facility Name: Diversified Scientific Services, Inc.

Location: 657 Gallaher Road
Kingston, Roane County, Tennessee 37763

EPA Identification Number: TND 98 210 9142

Permittee: Diversified Scientific Services, Inc.

Facility Owner/Operator: Perma-Fix Environmental Services Company

Facility Contact: Mr. Richard Devin
Environmental Manager
Diversified Scientific Services, Inc.
657 Gallaher Road
Kingston, Tennessee 37763
Phone: (865) 376-8706

Comment Period: Begins: July 23, 2007
Ends: September 5, 2007

FACILITY DESCRIPTION

Diversified Scientific Services, Inc. (DSSI), a Perma-Fix Environmental Services company, operates a mixed (radioactive and hazardous) waste treatment facility regulated under the Resource Conservation and Recovery Act (RCRA). The primary facility activities include waste management operations within permitted container and tank storage and treatment units and operation of a waste fuel-fired boiler combustion unit pursuant to 1200-1-11-.09 [40 CFR Part 266]. Diverse low-level radioactive and mixed wastes are accepted from commercial and government generators that are mandated for regulated treatment and/or disposal. Wastes containing hazardous organic compounds requiring toxicity reduction per federal land disposal restrictions, used oils/solvents, and organic bearing aqueous mixtures are blended into homogenous liquid fuels. The direct-fired boiler is equipped with a specialized burner that is able to combust the blended waste fuels at a high combustion efficiency. In addition, the burner also combusts purchased natural gas and/or propane (LPG) as supplemental fuel. Energy is recovered from the fuel's heat of combustion in the form of saturated steam, which is converted to electricity through operation of a turbine/induction generator system.

PURPOSE

This fact sheet is prepared pursuant to Tennessee Rule 1200-1-11-.07(7)(d) for the draft permit developed by the Tennessee Department of Environment and Conservation's

(TDEC) Division of Solid Waste Management (Division). The purpose of this permitting process is to afford any interested persons the opportunity to evaluate the ability of the permittee to apply the applicable hazardous waste management requirements. The proposal is for the permit to be issued under the authority of the Tennessee Hazardous Waste Management Act of 1977, as amended, Tennessee Code Annotated, Section 68-212-101 et seq., and Rule Chapter 1200-1-11, Hazardous Waste Management. The permit is prepared in accordance with the provisions of Tennessee Rule 1200-1-11-.07.

PERMIT HISTORY AND PROPOSED PERMIT

DSSI is currently operating under interim status. A RCRA Part A and Part B Hazardous Waste Permit Renewal Application was submitted on April 29, 1993, thus enabling the facility to continue to operate under the interim status until a final decision is made. A Trial Burn test of the waste fuel boiler system was conducted in March and April of 2002 as part of the RCRA permitting process to yield primary emissions data for risk analyses. The Human Health Risk Assessment was submitted in August 2005 and revisions were submitted in May 2006 and November 2006.

The proposed permit allows the facility to treat mixed (radioactive and hazardous) waste in a direct fuel-fired boiler. It also requires notification of imminent hazards, and when applicable, compliance with the requirements developed under the land disposal restrictions and organic air emission standards. If issued, the permit will be effective for ten years.

The storage and treatment of hazardous waste in containers and tanks and the continued corrective action of solid waste management units (SWMUs) at DSSI are addressed in a separate hazardous waste permit, TNHW-102.

COMMENTS

Copies of DSSI's application, draft permit, this fact sheet and public notice are available for public inspection at the following locations: TDEC's Knoxville Environmental Field Office, Public Access Area, Suite 220 - State Plaza, 2700 Middlebrook Pike, Knoxville, TN 37921 (865-594-6035); Oak Ridge Public Library, Civic Center, 1401 Oak Ridge Turnpike, Oak Ridge, TN (865-425-3455); and Kingston Public Library, 1004 Bradford Way, Kingston, TN (865-376-9905). Normal state office hours are 8:00 a.m. to 4:30 p.m. on weekdays, excluding legal holidays.

All persons, including the applicant, who believe that the tentative decision to issue this permit is inappropriate must raise all ascertainable issues and submit all available arguments and factual grounds supporting their position by sending comments or requesting a public hearing to: Ms. Jennifer Smith McClellan; Combustion Section; Division of Solid Waste Management; Tennessee Department of Environment and Conservation; 5th Floor, L & C Tower; 401 Church Street; Nashville, Tennessee 37243-1535; telephone 615-532-0827 or e-mail to Jennifer.L.Smith@state.tn.us. Requests for a public hearing must state the nature of the issues proposed to be raised at the hearing. To assure consideration, comments or requests for a public hearing must be received by 4:30 p.m., September 5, 2007.

When the Division makes a final permit decision to either reissue or deny the permit, notice will be given to the applicant and each person who has submitted written

comments or requested notice of the final decision. The final permit decision shall become effective upon signing by the Division Director.

Persons who wish to be on the Division's mailing list should request a Mailing List Request form by calling or writing: Public Participation Officer; Division of Solid Waste Management; Tennessee Department of Environment and Conservation; 5th Floor, L & C Tower; 401 Church Street; Nashville, Tennessee 37243-1535; telephone 615-532-0798; or e-mail Solid.Waste@state.tn.us.

